



# INDIAN SPRINGS HIGH SCHOOL LINKED LEARNING ACADEMIES

**STUDENTS ENROLLED:**  
1,866

**STUDENTS IN  
AN ACADEMY:**  
521

**ACADEMIES ON CAMPUS:**  
2

**TEACHERS ASSOCIATED  
WITH AN ACADEMY:**  
11

LINKED LEARNING PROGRAM SPECIALIST: KIMBERLY LAURIE  
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# HEALTH SCIENCE & MEDICAL TECHNOLOGY

## ENROLLMENT

Total: 212 • Female: 166 • Male: 46

## DESCRIPTION

ISHS offers its students amazing choices within the medical health industry. All students are introduced to the field with medical terminology, ensuring they have the strong foundational vocabulary and language of the health field. Following this foundational course, students will be able to choose an area of concentrated study. Patient care opens a variety of doors, such as first responders which results in CPR certification, sports medicine, and introduction to licensed vocational nursing, which prepares students for internships in the medical field. Biotechnology offers real-world experiences with the medical field through exploration with leading industry professionals.

- CPR Certification
- AED (Automatic Electronic Defibrillation)

**INDUSTRY SECTOR:** Patient Care & Biotechnology;  
Health Science and Medical Technology



## ANNUAL INDUSTRY WAGES

Paramedic.....	\$33K
Firefighter.....	\$42K
Licensed Vocational Nurse.....	\$45K
Physical Therapist Assistant.....	\$49K
Cardiovascular Technologists & Technician.....	\$50K
Occupational Therapist Assistant.....	\$50K
Dietitians and Nutritionist.....	\$53K
Radiologic Technologists and Technician.....	\$54K
Respiratory Therapist.....	\$54K
Medical & Clinical Laboratory Technologist.....	\$56K
Diagnostic Medical Sonographer.....	\$64K
Occupational Health and Safety Specialist.....	\$64K
Registered Nurse.....	\$67K
Dental Hygienist.....	\$67K
Audiologist.....	\$67K
Orthotist and Prosthetist.....	\$67K
Speech-Language Pathologist.....	\$68K
Nuclear Medicine Technologist.....	\$68K
Physical Therapist.....	\$76K
Radiation Therapist.....	\$77K
Biotechnologist.....	\$81K
Physician Assistant.....	\$84K
Pharmacist.....	\$106K
General Practitioner.....	\$189K
Orthopedic Surgeon.....	\$513K



# MANUFACTURING & PRODUCT DEVELOPMENT DESIGN

## ENROLLMENT

**Total:** 309 • **Female:** 68 • **Male:** 241

## DESCRIPTION

In the Product Innovation and Design pathway strand, this three-year course of study exposes students to computer design through Adobe Illustrator Suite and Photoshop as their foundational course. In their second and third years, students embark on the journey of innovation to commercialization, starting with the design process of an original product, leading into the business side of product development, understanding of intellectual property, and marketing and advertising. It cultivates with their student portfolio and proposal of their product to potential industry investors.

ISHS offers students industry-level machining and product development pathway choices. In the Machining and Forming pathway strand, this three-year course of study gives students the foundational skills of working with manual industry machining techniques, progressing to computerized product creation using SolidWorks and MasterCAM to 3D print prototypes. In their second and third years, students progress into CNC programming and machining, earning nationally recognized NIMS (National Institute of Metalworking Skills) certifications, and finally interning with our industry partners as seniors.

- NIMS (National Institute of Metalworking Skills) Measurement and Safety
- NIMS (National Institute of Metalworking Skills) CNC Mill Operator

**INDUSTRY SECTOR:** Machining & Product Innovation and Design



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## HOURLY INDUSTRY WAGES

Computerized Numerical Control (CNC) Programming Machinist .....	\$10.60 - \$32.79
<b>Machine Setter .....</b>	<b>\$10.33 - \$28.39</b>
Maintenance Machinery Worker .....	\$12.10 - \$33.54
<b>Industrial Automation Technician .....</b>	<b>\$15.61 - \$41.91</b>
Industrial Engineering Technician .....	\$17.32 - \$44.34
<b>Manufacturing Production Technician .....</b>	<b>\$17.78 - \$47.26</b>
Computerized Numerical Control (CNC) Operator	
Manufacturing Production Technician .....	\$17.78 - \$47.26
<b>Electronics Engineering Technician .....</b>	<b>\$18.87 - \$45.68</b>
Electrical or Electronics Drafter .....	\$19.08 - \$44.02

## OTHER PROFESSIONS

### GRAPHIC DESIGNER

A graphic designer creates digital images by combining the use of computer software and art concepts to develop and deliver ideas that inform, inspire, or motivate consumers.

- **Median pay: \$47,640/yr (\$23.41/hr.)**
- **Typical entry-level education: Bachelor's Degree**
- **Growth rate: 5%**
- **Number of jobs in 2016: 266,300**

### MULTIMEDIA ARTIST

A multimedia artist and animator creates visual and special effects using computers or other electronic tools for animation in video games, movies, commercials, music videos, and other media.

- **Median pay: \$65,300/yr (\$33.91/hr.)**
- **Typical entry-level education: Bachelor's Degree**
- **Growth rate: 10%**
- **Number of jobs in 2016: 73,700**

### VIDEO GAME DESIGNER

Video game designers create the core features of a video game. They design the characters in the game, may assist with the storyline and goal of the game, and implement game design to make the game more engaging to users.

- **Median pay: \$86,510/yr (\$41.59/hr.)**
- **Typical entry-level education: Bachelor's Degree**
- **Growth rate: 5%**
- **Number of jobs in 2016: 12,250**

### WEBSITE DEVELOPER

A website developer designs and creates websites. They maintain all of the website's technical aspects, track the site's traffic, and the site's page load speed.

- **Median pay: \$67,990/yr (\$32.69/hr.)**
- **Typical entry-level education: Associate's Degree**
- **Growth rate: 15%**
- **Number of jobs in 2016: 162,900**

### COMPUTER ENGINEER

A computer engineer tests computer components and systems by developing and designing memory devices, processors, circuit boards, and networks. They make computers more mobile or incorporate computers in other areas, such as machines or building materials.

- **Median pay: \$115,120/yr (\$55.35/hr.)**
- **Typical entry-level education: Bachelor's Degree**
- **Growth rate: 5%**
- **Number of jobs in 2016: 73,600**

